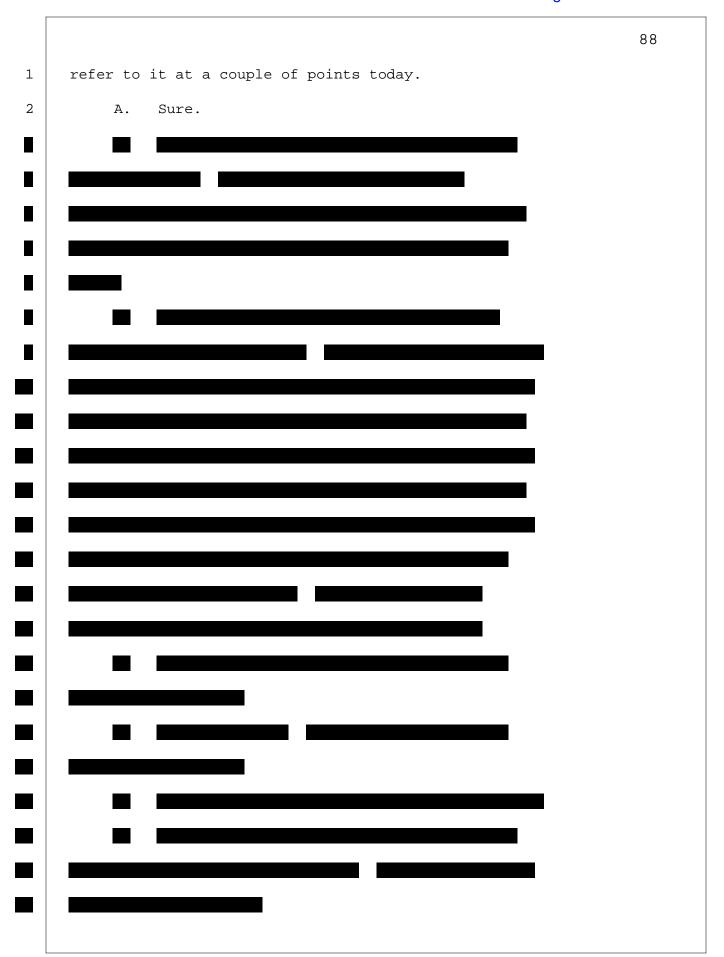
EXHIBIT F

EXHIBIT 65 UNREDACTED VERSION OF DOCUMENT SOUGHT TO BE SEALED

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                   UNITED STATES DISTRICT COURT
 2
                  NORTHERN DISTRICT OF CALIFORNIA
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 4
      CISCO SYSTEMS, INC.,
                                      Civil Action No.
 5
                     Plaintiff,
                                      5:14-cv-5344-BLF
 6
      vs.
 7
      ARISTA NETWORKS, INC.,
 8
                     Defendant.
 9
10
11
12
            HIGHLY CONFIDENTIAL - ATTORNEYS' EYES ONLY
13
                   PURSUANT TO PROTECTIVE ORDER
14
             VIDEOTAPE DEPOSITION OF MARK EDWARD BERLY
15
                       (Taken by Plaintiff)
16
                    Chapel Hill, North Carolina
17
                     Tuesday, April 5th, 2016
18
19
20
21
22
23
                     Reported in Stenotype by:
24
                      Judy F. Reins, RMR, CRR
25
        Transcript produced by computer-aided transcription
```

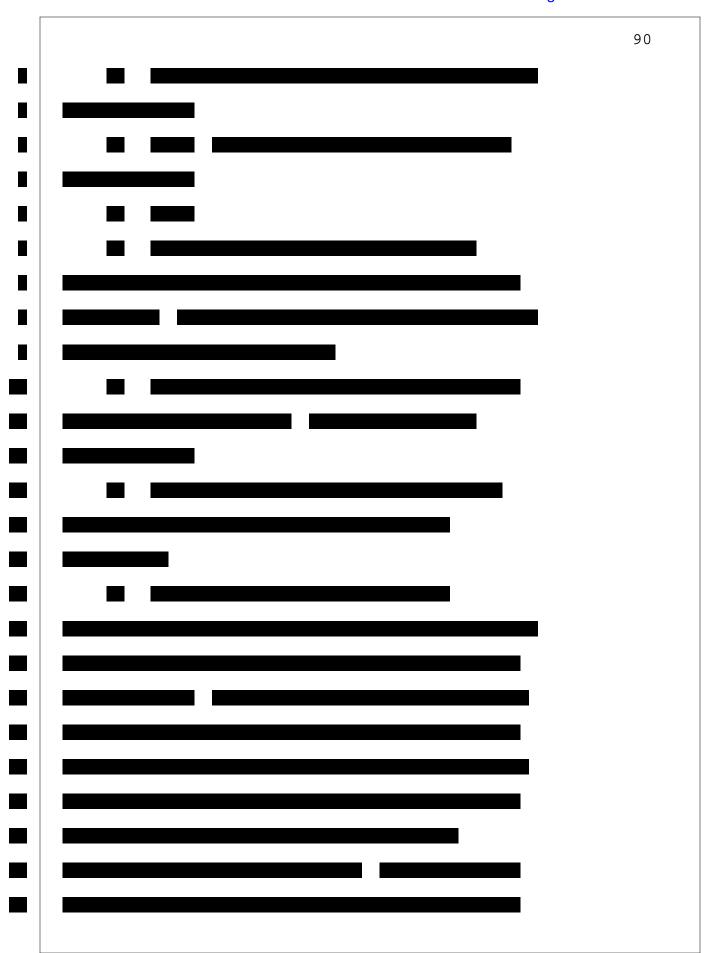


Q. When you say the vendors have to use open standards, what do you mean by that?

A. I'll go back to my BGP protocol, just to kind of keep it consistent. You know, for my device to talk to another device, either whether it's one of -- an Arista device talking to an Arista device or an Arista device talking to Cisco or Juniper or whoever, you have to have a standardized way of doing stuff.

so in the routing space with -- say with BGP as an example, you would have a standardized protocol that everybody implements. The protocol in the same way obviously the source code and everything is proprietary. It's something that each company writes, but the way that they talk, the messages that they send are -- should all be the same. Otherwise they couldn't interoperate.

- Q. Are there any standardized protocols for human machine interaction for network devices?
- A. Are there any standardized protocols for human -- I don't know of any.



- Q. Do you think it's accurate to use IOS like and industry standard like as synonyms?
 - A. I never really thought about it.
- Q. But you don't think there's anything inaccurate in what you just testified about?
 - A. It's a great question.

MR. FERRALL: Objection, vague and ambiguous.

THE WITNESS: I think it's a great question.

I haven't thought about it, so I don't -- you

know, I don't really have a good answer for you.

I apologize.

BY MR. CANNON:

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- Q. Is it possible to deviate from the industry standard in the CLI at all?
 - A. I think what you'll find if you look at the deviations, they're so minor or inconsequential or rely on, you know, command completion that they're really inconsequential. Would you like me to give you an example?
 - Q. Yeah, please.
 - A. Sure. So we were talking about show, so we'll use your example of show. What if I change -- what if I use the word "showing," so I decide I want to use showing. The way all the parsers work, they'll

A. All right.

(EXHIBIT 479 WAS MARKED FOR IDENTIFICATION)

MR. FERRALL: Just wait until he asks questions. He's asking you to make an exhibit, which is rather novel for a fact witness, but I'll -- I'll wait until I hear the questions, but he's not asked you to do anything with it right now.

BY MR. CANNON:

Q. You said that industry standard, you usually have a lot on a single line, but Junos tends to break things up more. I was wondering if you could illustrate what you meant by that on Exhibit 479.

MR. FERRALL: The question is vague and ambiguous, but if you understand it, you can go ahead.

THE WITNESS: Without using words, just because I don't really know what words he used, I would say this is the way you might see something represented in IOS, each one of those lines being some bit of information. Junos you might see it represented like this. But these bits of information, these key words here, typically are the same. They're just laid out instead of on the single line, more like this, in between these

they were using -- you know, they would have to be configured in the proper way so that they could communicate.

Q. So if the protocol, for example, specifies what information needs to be in the header of a packet for addressing functionality, let's say, the direct type of interoperability would be whether, you know, one machine can read that addressing information in the header from the packet when it's sent by another, and the indirect would be whether or not the users configure the devices to send and receive packets using the same commands.

Is that -- am I understanding the distinction correctly?

MR. FERRALL: Objection. The question is vague and ambiguous, compound. You can answer.

THE WITNESS: I -- based on my understanding of what you're saying, I believe that we're saying very similar things in that -- maybe if I gave just a very short example, that might help.

Let's take a very basic command that, as far as I know, is ubiquities really across every networking operating system out there, and that's IP routing, say. When you enable IP routing without getting too technical for the box to

187 1 really switch packets from one location to 2 another location, when it's routing, you have to 3 have IP space routing on. If a box as its default, let's just say they 4 had the exact same commands but the default 5 settings were different, so on one box, IP 6 7 routing is enabled by default. Then on the other 8 box, IP routing is disabled by default. If your understanding was that IP routing is enabled by 9 10 default, when you get to the other box, you'll never think to look to see if it's enabled 11 12 because you just assume it is enabled, and that's 13 a very basic functionality that would basically 14 keep the box from working. 15 BY MR. CANNON: 16 Ο. And it would keep the box -- to follow up on your example -- well, that wouldn't make sense. 17 18 So to press on that example a little bit, as 19 long as two different devices sent properly formatted 20 IP packets to one another, would it matter if you 21 turned on IP routing with enable IP routing on one 22 device and set IP routing on the other? 23 MR. FERRALL: Objection, vague and 24 ambiguous, calls for opinion testimony, and 25 incomplete hypothetical. You can answer the

188 1 question. 2 THE WITNESS: If you knew that those were the commands that were what you were supposed to 3 4 type, then theoretically, speculatively, if 5 everything worked fine, I would say that they could. 6 7 BY MR. CANNON: 8 And are you aware of a protocol for Ο. machine-to-machine communication that lays out the 9 10 full set of configuration commands that need to be used to configure that protocol on a given device? 11 12 MR. FERRALL: Objection, vague and 13 ambiguous. THE WITNESS: Yeah, if you could maybe be 14 15 more specific in what you're talking about. I mean, there's hundreds or thousands or tens of 16 thousands of commands. 17 BY MR. CANNON: 18 19 I guess that's kind of what I'm getting at 20 is: Are you aware of a protocol that says, you know, you need to type commands A, B, and C in order to 21 22 implement this protocol? 23 Well, I think that's where you're getting 24 into the indirect interface or the human-to-machine 25 interface. And going back to my earlier point that

the amount of time people have invested and the expectation for a fairly standard CLI or standard interface to the box is really an important -- important for them.

- Q. It's important because they expect it, not because it's defined in a protocol, though. Right?
- A. It's important because they -- umm. It's important because it's how they would operate the box. You know, it's -- I'll go back to my, if I don't know where the light switches are at, I'm not going to drive my car at night.
- Q. Let's look at -- well, let me -- before you do that, let me ask another question. In what circumstances is it permissible from a customer perspective in your experience to deviate from the industry standard CLI?
- A. Can you -- I don't know that I could answer that. I really don't have an answer for that, umm.
- Q. Is that because my question didn't make sense or because you can't think of a scenario in which that -- doing that would make sense, deviating from that industry standard?
- A. Maybe a combination of both. Yeah, I really don't have an answer for that. I apologize. Maybe

 I'm not sure what you're asking or I don't quite

probably cost customers or cost customers, you know, a lot of time and money getting things deployed.

- Q. Setting aside the specific context of

 Exhibit 485, when you were at Cisco, were you aware of
 a central authority for getting new CLI commands
 approved?
- A. There was an alias called "parser police," and my understanding is it was more of an informal alias. It's not like you got elected to be on parser police. And if somebody wanted to implement a command, they would send it to parser police. That didn't happen many times. I mean, some got sent; many didn't.
 - Q. Did you participate in the parser police?
- A. I know I subscribed to it. I may have sent a few emails to it. Again, the older I get, the shorter the memory becomes. I apologize.
- Q. Not something that sticks in your mind these days?
- A. Yeah, no, it wasn't something I actively pursued. Most of the debates were very trivial in nature and there's a lot of smart people on the alias, and I think many of the debates were really about showing that they were smarter than the other guy and not find any real substance.

Q. Like your previous comment about the coders wanting to redo code every time?

- A. Correct. You know, should we put a space; should we put a dash; should we do this; should we do that. It was very, you know, inconsequential things.
- Q. Do those kinds of differences, whether you use a space or dash, matter to how commands are interpreted by a network operating system or network device operating system?
- A. Not to the network device itself. Keep in mind that the commands kind of sit here at the human level, and that's something that the human interprets.

 On the back side of it, it's going to kick off some process. That process really doesn't care what the command is. The command is for a person.
- Q. Does the parsing engine that interprets the commands within the operating system care whether or not words are separated by a space or a dash, to use your examples?
- A. So I'm not an expert on the parser, so, but as an example, here's something that could be highly annoying and it switched -- I've seen this switched before. Show mac, space, address-table; or show mac-address table. So it's the same words, but the hyphen got moved.

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236
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               So if I'm autocompleting, which every
 2
      network operator does, I mean, like, nobody types the
3
      whole command, and -- and so you're typing in "show,"
 4
      so S-H, mac, or M-A, you know, however short you can
 5
      get the abbreviation because that's part of being cool
 6
      as a network operator, getting the shortest, most
7
      arcane words you can because that makes -- shows that
 8
      you're smarter than the next guy. Right?
9
               So S-H M-A-C space T-A-B. So show mac tab,
10
      so show, but if the space was between mac and address,
11
      that would come back as an invalid command because
12
      then it would be S-H M-A-C A-D-D dot T-A-B. Does that
13
      make sense? So the parser, where a space or hyphen
14
      would appear would cause a network operator some
15
     consternation, yes.
16
           Q. So fair to say that those are trivial
17
      differences that were debated on the parser police,
18
     but that they impacted the way the parser would
19
     actually operate?
20
          A. I don't think it impacts the way the parser
21
      operates. The parser operates the same no matter
22
     what.
23
               Fair enough. Let me rephrase. Is it fair
24
     to say those are trivial differences that were debated
25
      on the parser police but they impacted the way a given
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1
     command would be interpreted by the parser?
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          A. I believe you could say that. I'm pretty
      sure I follow the question, yes, but, I mean, think
3
4
     about the headache that causes as an operator. I know
5
     that one personally 'cause it made me insane. Based
6
     on which version you're running, I can't abbreviate.
 7
           Q. Do you remember which version it was that
 8
      caused you the headache?
 9
               I don't remember. I just remember, I wanted
10
      to cry several times.
           O. Just curious. Let's take a look at another
11
12
      document. Okay. I have to apologize for this one.
13
      For some reason, stuff didn't get stapled, so there's
14
      an email and the attachments. The email is on top.
15
      The attachment is stapled underneath it. I only have
16
      one copy. Sorry.
17
               I see what you're saying.
18
               MR. FERRALL: Are you going to mark this as
19
           a single exhibit?
20
               MR. CANNON: Yes, it's Exhibit 486 --
21
           actually, can we go off record for just a second.
22
                THE VIDEOGRAPHER: Going off the record.
23
           The time is 5:08 p.m.
24
                (RECESS TAKEN)
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(EXHIBIT 486 WAS MARKED FOR IDENTIFICATION)

238 1 THE VIDEOGRAPHER: Going back on the record. 2 The time is 5:09 p.m. 3 BY MR. CANNON: Q. So the newly stapled Exhibit 486 in front of 4 5 you is a document that bears Bates numbers ARISTA NDCA 12508163 through 71. I'll ask you to take a moment to 6 7 look through that and let me know if you recognize it. 8 (WITNESS REVIEWS DOCUMENT) 9 I do recognize this Exhibit 486. Α. What is Exhibit 486? 10 Q.

277 1 forth with counsel about custodial production and whether or not it should have occurred. 2 3 In the event that it does happen, we would certainly reserve the right to reopen the 4 deposition, but I don't have any further 5 questions at this point. 6 7 EXAMINATION BY MR. FERRALL: 8 Mr. Berly, I've got one area of questioning 9 10 I just want to clarify. Just a second. Do you remember this morning Mr. Cannon 11 12 asked you some questions about whether at your time at 13 Cisco, Cisco or anyone there had ever told you that 14 its CLI was an industry standard. You remember that 15 general line of questioning? Α. I do. 16 Have you ever seen anything in writing from 17 Cisco that indicates that the CLI could be 18 characterized as an industry standard? 19 20 Α. I have. 21 What have you seen in writing? Q. So it's appeared on multiple data sheets at 22 23 presentations. 24 Presentations for what purpose, to your recollection? 25

A. I would describe it as an industry standard.

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279
                MR. CANNON: Nothing further for me. I
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 2
           think we were going to note, though, for the
 3
           record that I think both parties wanted a rough
           draft of the transcript tonight with a final
 4
 5
           coming on Friday.
 6
                MR. FERRALL: Correct. Thank you.
 7
                THE VIDEOGRAPHER: This concludes the video
 8
           deposition of Mark Berly. Time going off the
 9
           record is 6:29 p.m.
10
                       (SIGNATURE RESERVED)
11
                (DEPOSITION CONCLUDED AT 6:29 p.m.)
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